

CLAIMS

1. A label for use with a composite material comprising:
a carrier with ink indicia, the ink is selected from the group consisting of ink with
5 magnetic components, ink with IR components and ink with UV components;
wherein the label is integral with an object comprised of a composite material.
2. The label of claim 1, wherein the carrier is selected from the group consisting of a
mesh, paper, a porous material that is printable and allows permeation of a resin material,
10 and a sheet of solid resin material.
3. The label of claim 1, wherein the object is free of any visually discernable marks
indicating the label.
- 15 4. The label of claim 1 wherein the ink is unpigmented.
5. The label of claim 1, wherein the object is selected from the group consisting of:
automotive component, aerospace component, marine component, and aircraft
component.
- 20 6. The label of claim 1, wherein the label is embedded in the surface of the composite
material using a resin material.
7. The label of claim 7, wherein the carrier is selected from the group consisting of a
25 mesh, paper, a porous material that is printable and allows permeation of a resin material,
and a sheet of solid resin material. a mesh.
8. The label of claim 5, wherein the object is free of any visually discernable marks
indicating the label.
- 30 9. A label for use with a composite material comprising:
a carrier with ink indicia printed in reverse,
wherein the label is integral with an object comprised of the composite material.

10. The label of claim 9 wherein the carrier is a retro reflective mesh and the ink obscures the retro reflective mesh except for the indicia.

11. A method of concealing data comprising the steps of:

5 obtaining a carrier;
printing data on the carrier with ink selected from the group consisting of magnetically doped ink, ink with UV components, ink with IR components; and
embedding the carrier in a composite material.

10 12. The method of claim 11 wherein the carrier is selected from the group consisting of a mesh, paper, a porous material that is printable and allows permeation of a resin material, and a sheet of solid resin material.

13. The method of claim 11 further comprising the steps of:

15 placing the carrier on the surface of the composite;
coating the carrier with a resin;
allowing the resin to flow into the carrier; and
bonding the carrier to the composite material.

20 14. The method of claim 11 wherein the composite material is manufactured into an object, said object is selected from the group consisting of:

automotive component, aerospace component, marine component, and aircraft component.

25 15. A method of concealing data comprising the steps of:

obtaining a retro reflective data carrier;
printing indicia on the data carrier to obscure the retro reflective data carrier except for the indicia; and
embedding the carrier into a composite material.

30 16. The method of claim 15 further comprising the steps of:

placing the carrier on the surface of the composite material;
coating the carrier with a resin;
allowing the resin to flow into the carrier; and
35 bonding the carrier to the composite material.

17. The method of claim 15 wherein the composite material is manufactured into an object, said object is selected from the group consisting of:

automotive component, aerospace component, marine component, and aircraft component.

18. A method of concealing data comprising the steps of:

printing data on a composite with ink, said ink selected from the group consisting of magnetically doped ink, ink with UV components, and ink with IR components.

19. The method of claim 18 wherein the composite is manufactured into an object, said object is selected from the group consisting of:

automotive component, aerospace component, marine component, and aircraft component.